

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/09/04

Date Received: 11/18/04

Project: Metro Self Monitor, PO# M94693, F&BI 411184

Date Extracted: 12/09/04

Date Analyzed: 12/09/04

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE
FOR TOTAL METALS BY
INDUCTIVELY COUPLED PLASMA (ICP)
(METHOD 6010)**

Results Reported as mg/L (ppm)

<u>Sample ID</u> Laboratory ID	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M94693 411184-01	0.37	0.35	0.37	<0.05
Method Blank	<0.05	<0.05	<0.10	<0.05

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QUALITY ASSURANCE RESULTS FOR TOTAL METALS BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Laboratory Code: 412023-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	mg/L (ppm)	0.39	0.36	8	0-20
Copper	mg/L (ppm)	0.38	0.28	30 vo	0-20
Nickel	mg/L (ppm)	0.38	0.38	0	0-20
Zinc	mg/L (ppm)	<0.05	<0.05	nm	0-20

Laboratory Code: 412023-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Chromium	mg/L (ppm)	5	0.39	103	50-150
Copper	mg/L (ppm)	5	0.38	103	50-150
Nickel	mg/L (ppm)	10	0.38	103	50-150
Zinc	mg/L (ppm)	5	<0.05	105	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Chromium	mg/L (ppm)	5	97	70-130
Copper	mg/L (ppm)	5	97	70-130
Nickel	mg/L (ppm)	10	102	70-130
Zinc	mg/L (ppm)	5	100	70-130

vo - The value reported fell outside the control limits established for this analyte.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

411184

SAMPLE CHAIN OF CUSTODY

CM 11-18-04

AI

Send Report To GERARD Thompson
 Company ALASKAN Copper Works
 Address 628 S. ANNE ST
 City, State, ZIP Seattle WA 98134
 Phone # _____ Fax # _____

SAMPLERS (signature) [Signature]

PROJECT NAME/NO.

Memo Grab

PO #

M94693

REMARKS

Page # _____ of _____

TURNAROUND TIME

☐ Standard (2 Weeks)☐ RUSH

Rush charges authorized by: _____

SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples☐ Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED										Notes			
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS								
M 94693	01	11/18/04	12:30	H2O	1														

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 283-5044

SIGNATURE

Relinquished by: [Signature]

PRINT NAME

GERARD Thompson
Michael Edell

COMPANY

ACW
Fibric

DATE

11/18/04
L

TIME

1:11pm
L

Relinquished by: _____

Received by: _____

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

December 9, 2004

DUPLICATE COPY

INVOICE #04ACU1209-2

Accounts Payable
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M94693, F&BI 411184 - Results of testing
requested by Gerry Thompson for material submitted on November 18, 2004.

1 sample analyzed for Total Chromium, Copper, Nickel and Zinc
by Method 6010B @ \$80 per sample \$ 80.00

Amount Due \$ 80.00

FEDERAL TAX ID #(b) (6)

FRIEDMAN & BRUYA, INC.

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Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

December 9, 2004

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134


Dear Mr. Thompson:

Included are the results from the testing of material submitted on November 18, 2004 from the Metro Self Monitor, PO# M94693, F&BI 411184 project. There are 2 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Charlene Morrow
Chemist

Enclosures
ACU1209R.DOC